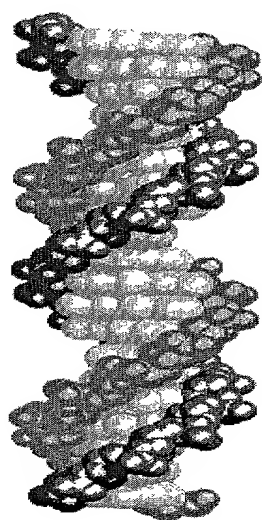


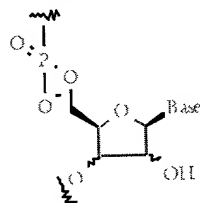
FIGURE 1

Structural Features of Pairing Component Systems

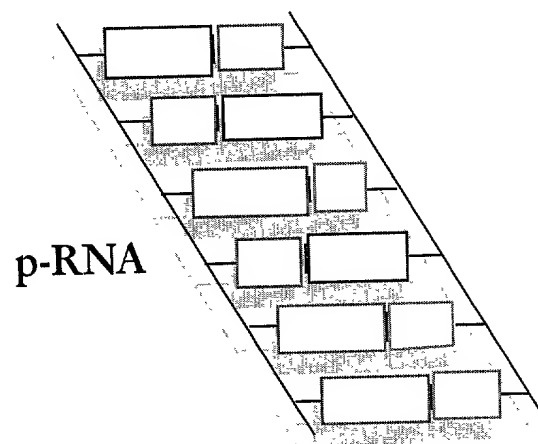


DNA

helical

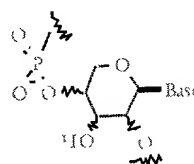


RNA unit



p-RNA

planar



p-RNA unit

FIGURE 2

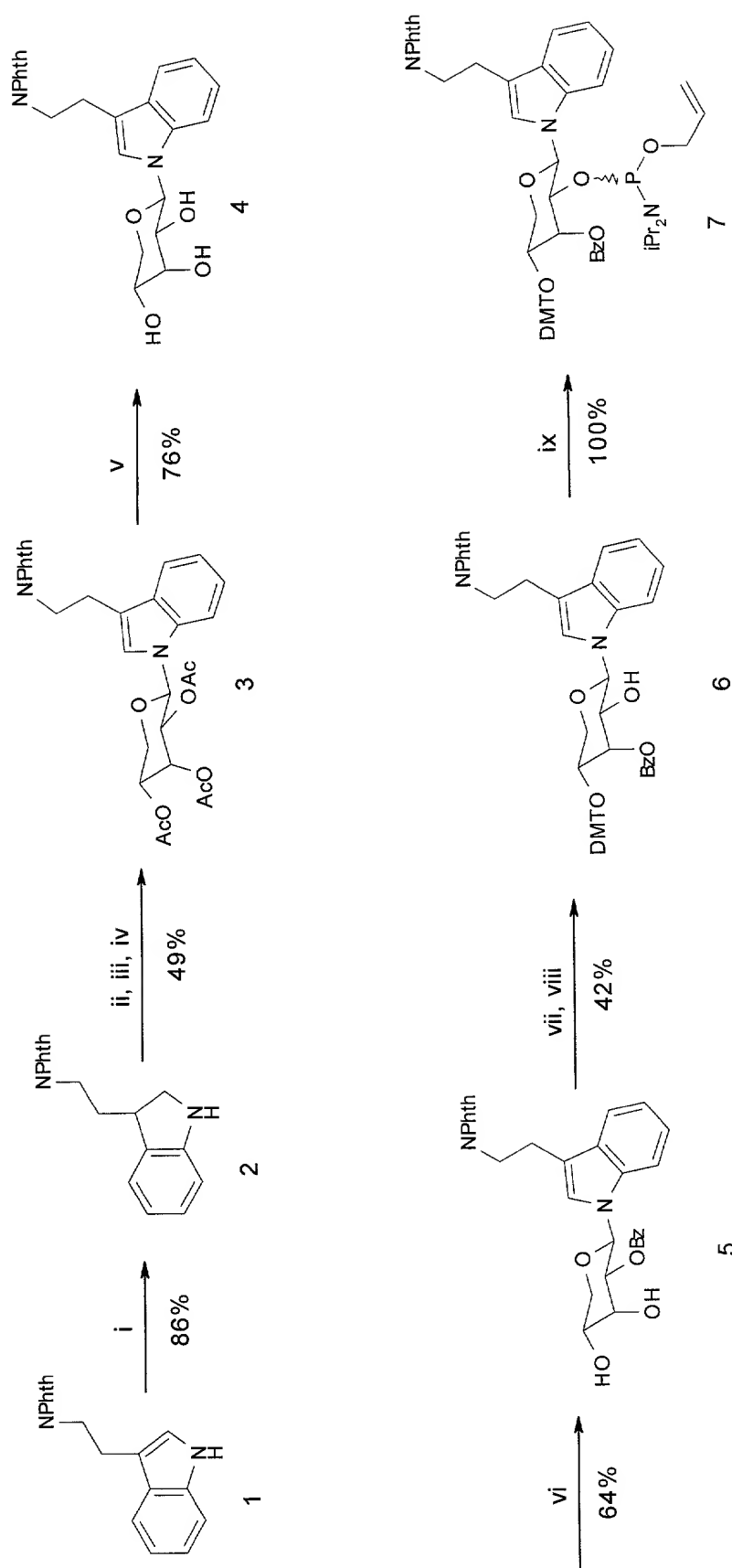


FIGURE 3

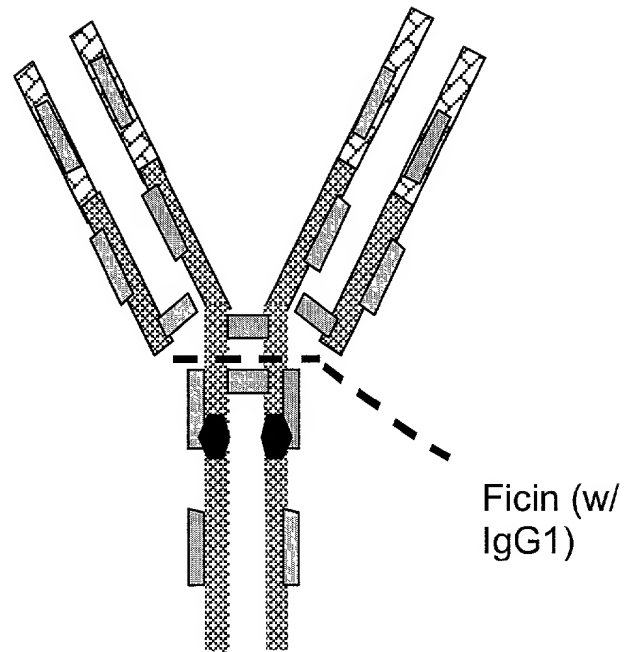


FIGURE 4a

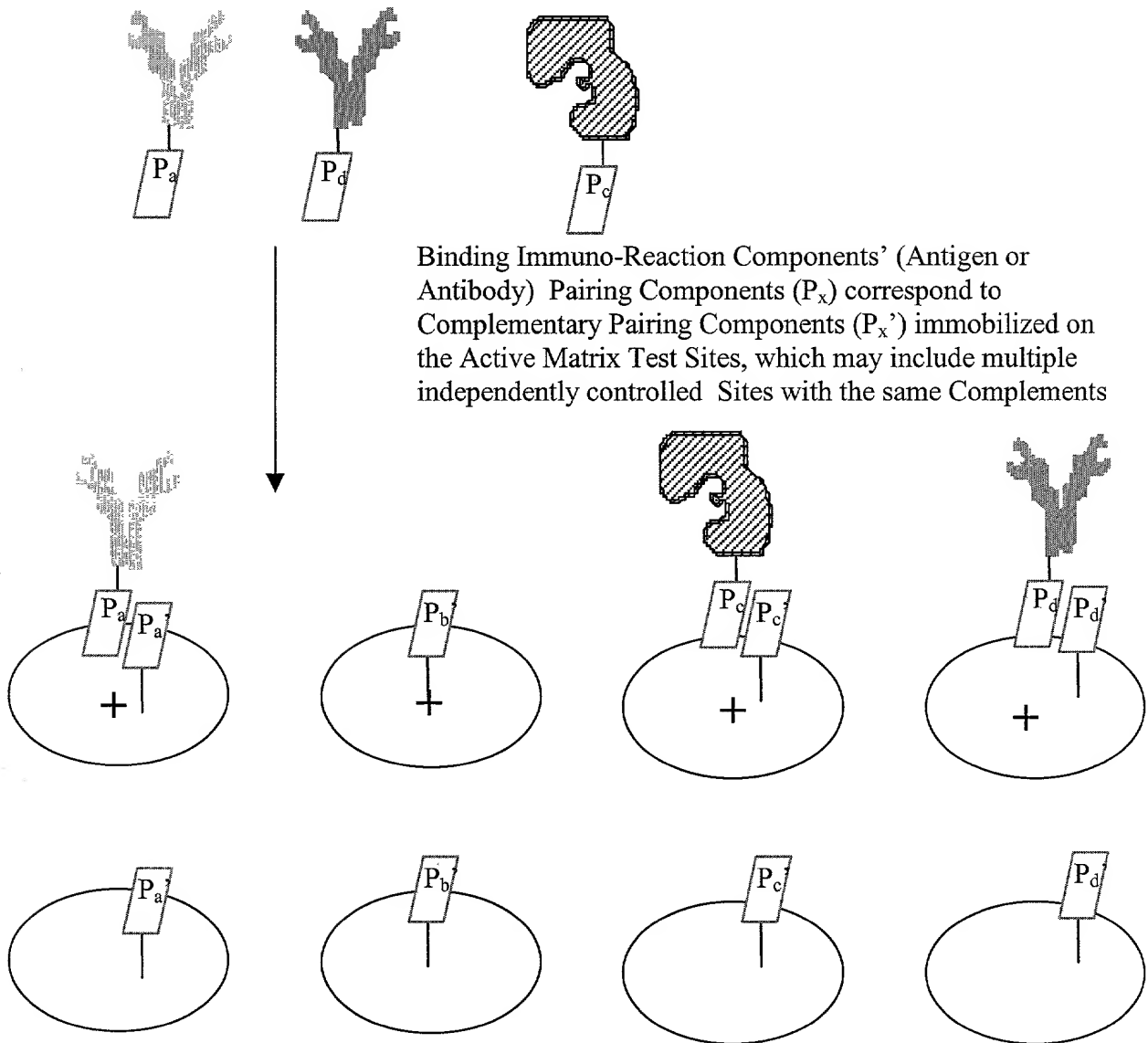
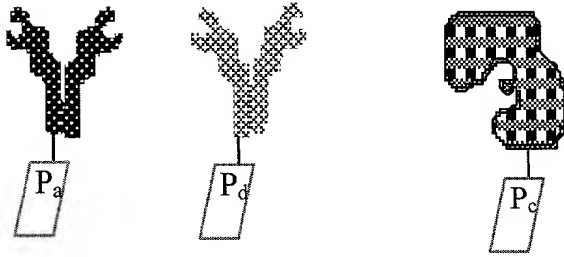


FIGURE 4b



After a first set of Binding Immunological Reaction Components has been Electronically Addressed, a Second set may be Electronically Addressed using the same P_x 's

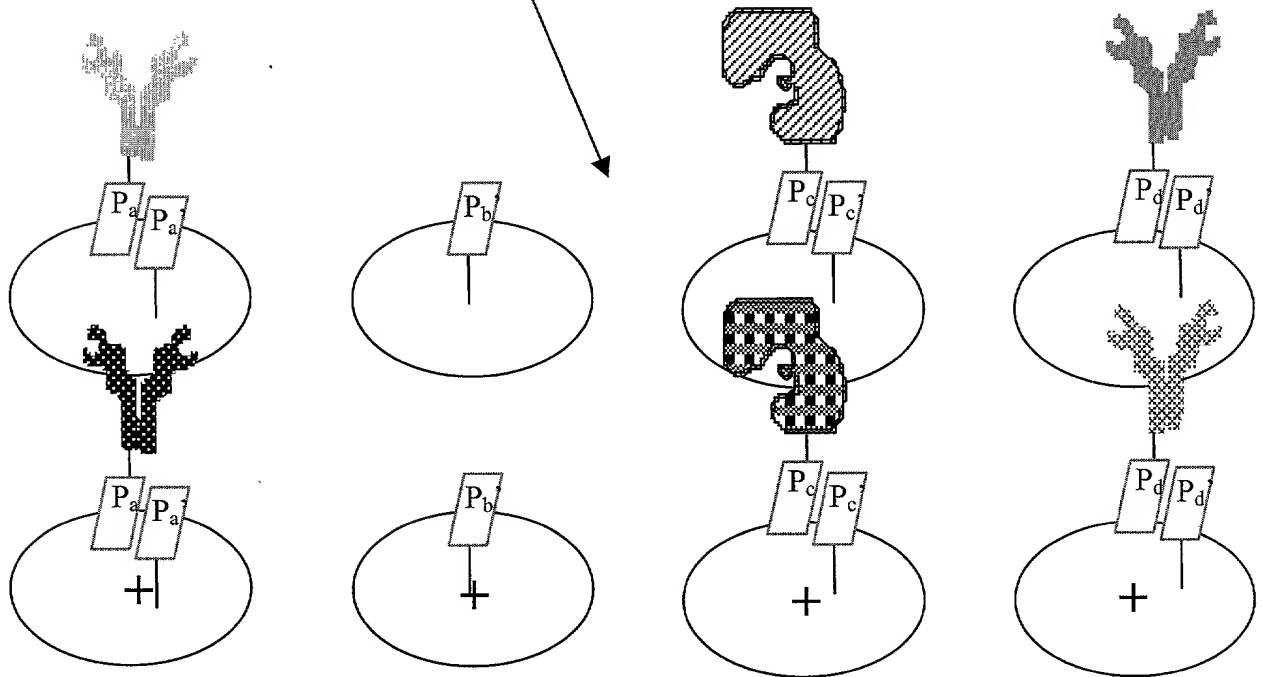


FIGURE 5

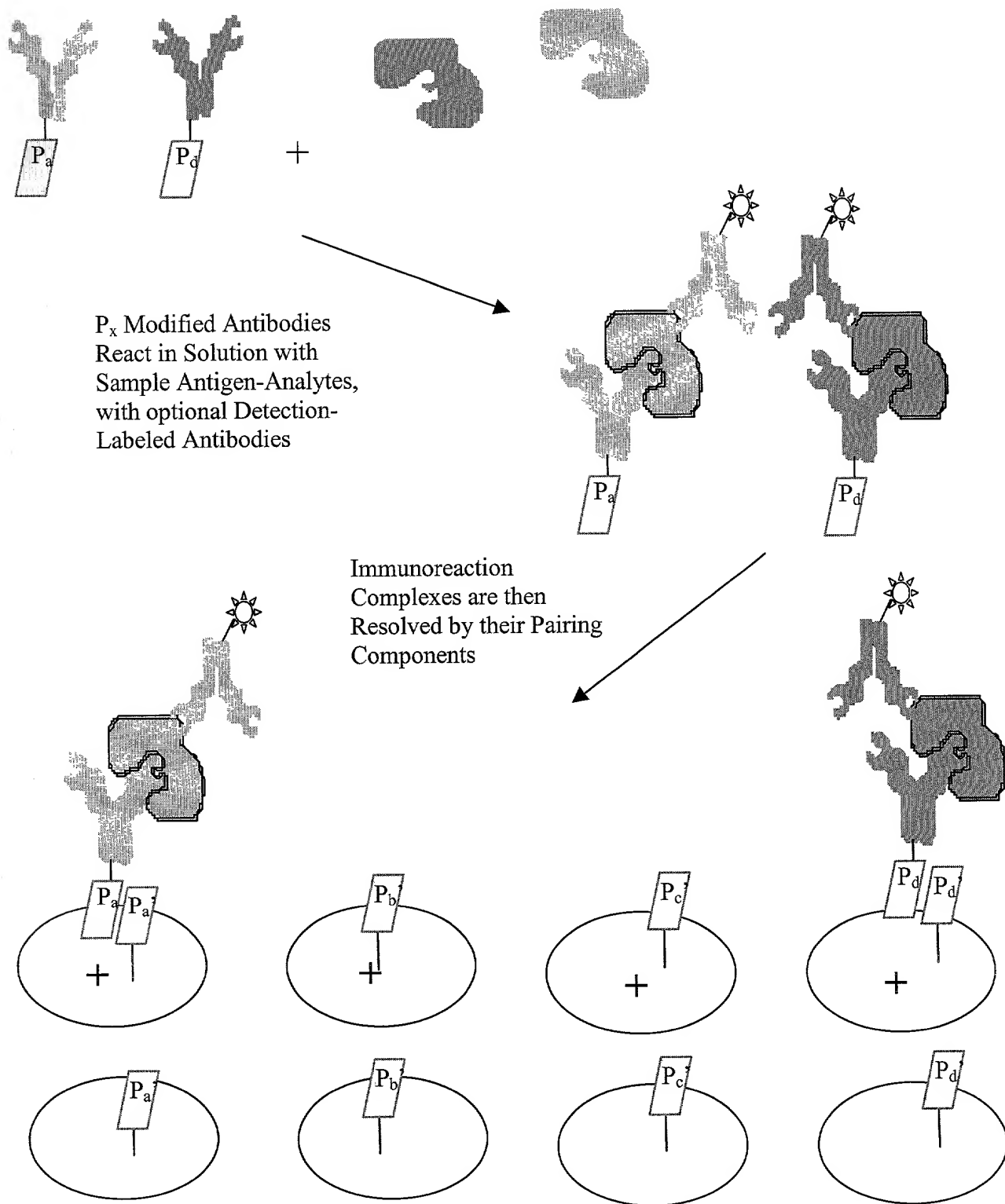
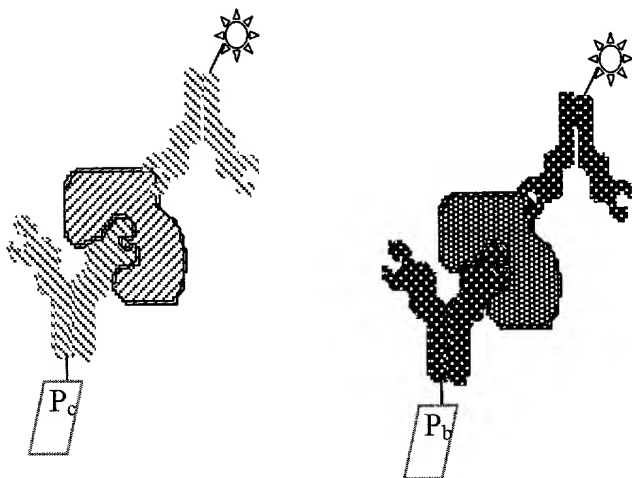


FIGURE 6



After the First Sample is resolved, a Second Sample Immunoreaction Mixture may be resolved on the same Active Matrix by activating another set of Test Sites

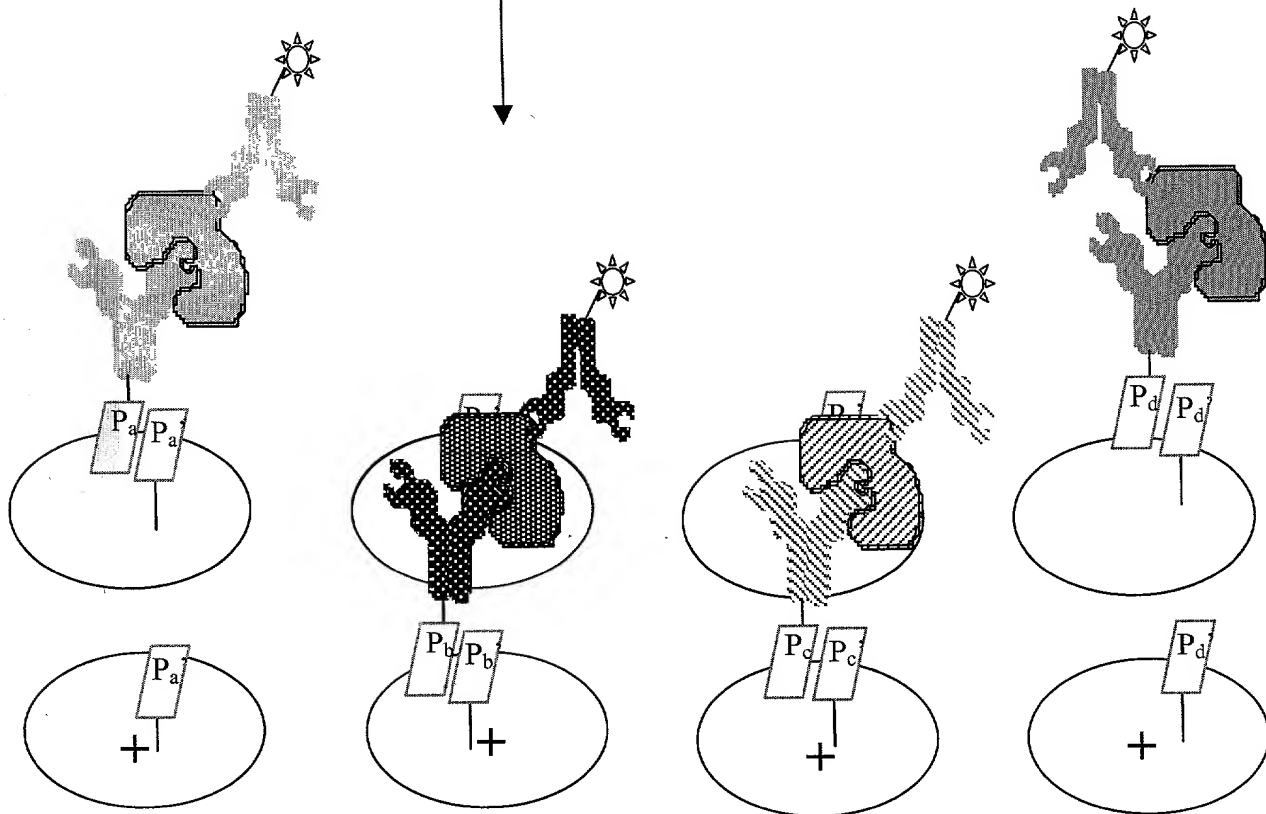


FIGURE 7a

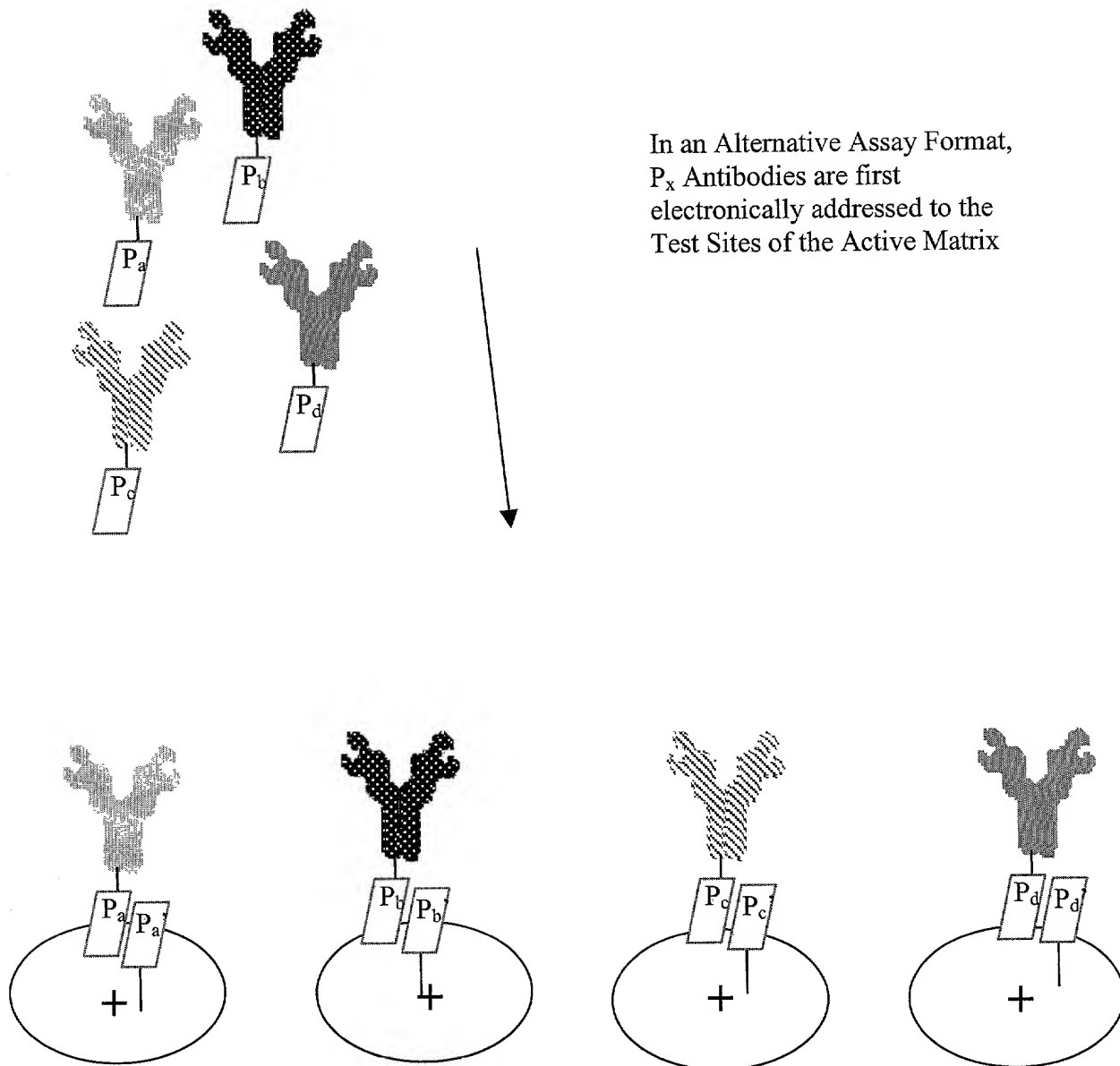


FIGURE 7b

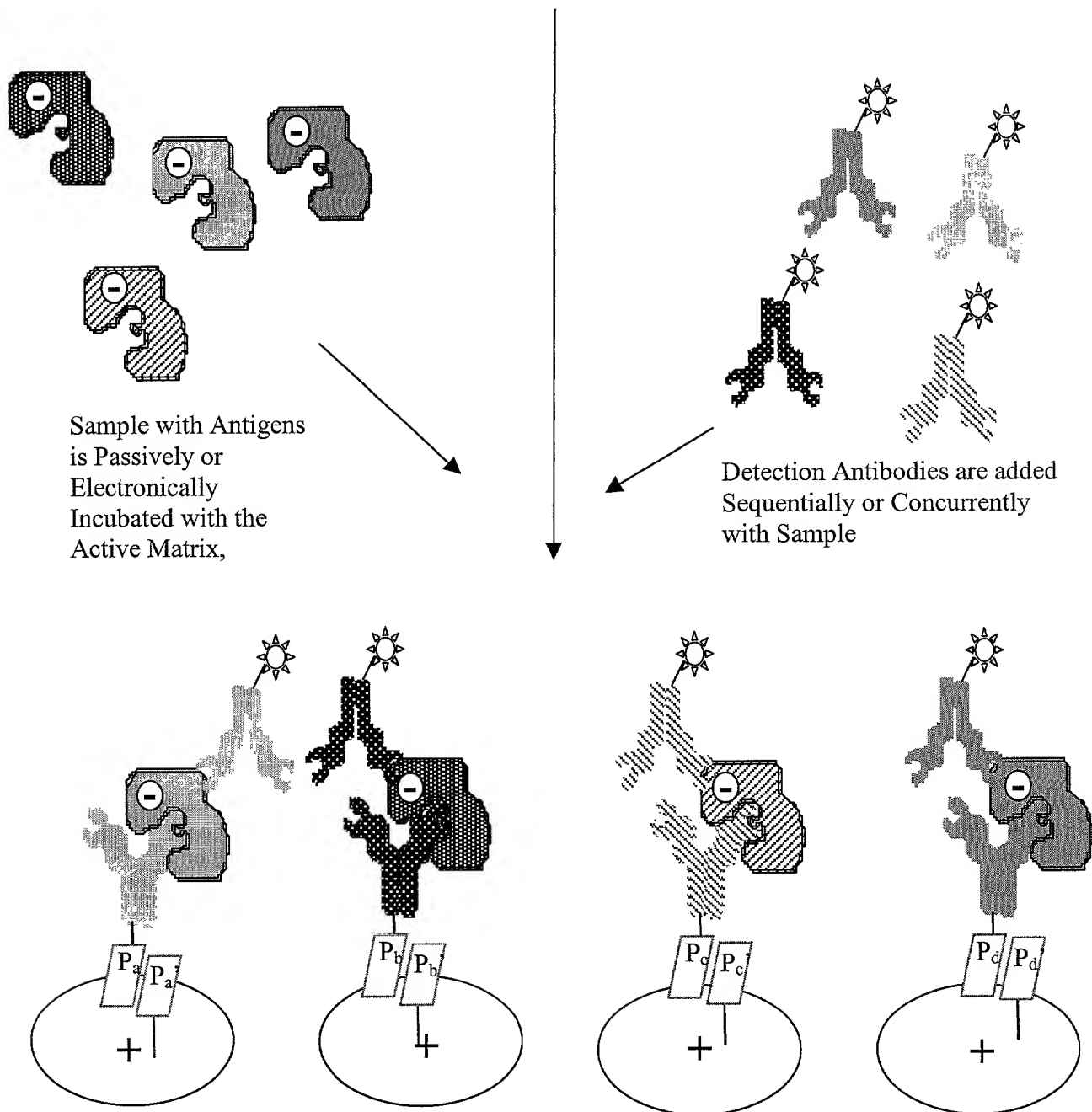


FIGURE 8a

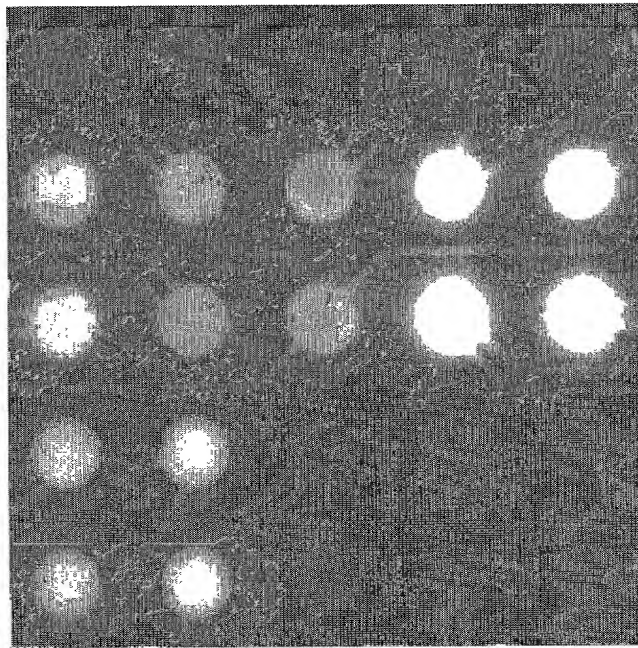


FIGURE 8b

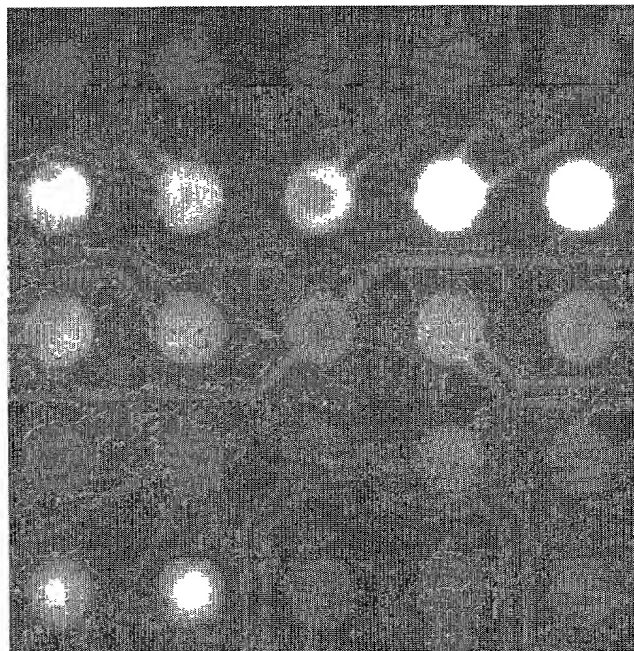


FIGURE 9

Biacore Results: Sensograms

antibody-pRNA conjugates introduced to chip-bound complementary pRNAs

Ab(cy3)-Am

Ab(cy3)-102a

Ab(cy3)-103a

Ab(cy3)-104a

Ab(cy3)-105a

